

<b>Boating Lesson Plan-4</b>	
<b>Boat Navigation Lights</b>	
TIME PERIOD (TOTAL)	
20-30 minutes	
<b>TRAINING AIDS</b> 1. Battery Operated Stern & Bow Clamp-on Lights (Optional to mount lights on "boat shaped" board). 2 or 3 sets of lights are helpful for right of way lessons). 2. Flashlight 3. Charged Batteries for all Lights	<b>TYPE OF LESSON</b> <input type="checkbox"/> E.D.O.C. <input type="checkbox"/> LECTURE <input type="checkbox"/> DISCUSSION <input checked="" type="checkbox"/> PRACTICAL
<b>OBJECTIVE(S) for each student:</b> <ul style="list-style-type: none"> <li>○ Understand the lighting requirements for motorized and non-motorized boats</li> <li>○ Understand how the direction of travel is determined by the lights viewed</li> </ul>	
<b>INSTRUCTOR REFERENCE</b> Student Manual Wisconsin State Statute 30.61	
<b>STUDENT REFERENCE</b> Student Manual Boating Regulations	

TIME	LESSON OUTLINE	AID CUES
About 20-30 minutes for total lesson plan	<p><b>Educate:</b></p> <p>Navigation lights must be on from sunset to sunrise and during periods of restricted visibility.</p> <p>Refer to the sunrise and sunset tables in the back of the Wisconsin Boating Regulations. Describe the Northern and Southern areas shown of the map and the zones across the state.</p> <p>Have a volunteer look up today's sunrise &amp; sunset times, corrected for corrected for area and zone. Ask for questions on using the charts.</p> <p>Non-motorized boats:</p> <p>Must carry a lantern or light that can be displayed in sufficient time to avoid a collision with another watercraft. (Show a working flashlight.) Light needs to be bright enough to be able to be seen for 2 or more miles.</p>	<p>Current Wisconsin Boating Regulations</p> <p>Flashlight</p>

TIME	LESSON OUTLINE	AID CUES
	<p>Every moored, anchored and drifting boat outside of anchorages or beyond 200 feet from shore shall be lighted from sunset to sunrise by a white light visible around the horizon. (Show a lit stern light.)</p> <p>Motorboats less than 40 feet long must display a combination red/green light in the bow and a 360 degree white light in the stern while underway. (Show the combination lamp and the stern light.) The Red light must be displayed on the port side of the boat and the green light on the starboard side.</p> <p>Explain how to remember  Red, Left, Port all short words  Green, Right, Starboard all longer words  Explain how bow lights are the “stop &amp; go” lights on water.  If you see red then you do not have the right of way and are the give way vessel.  If you see green then you do have the right of way and are the privileged vessel.  Always assume the other boater doesn’t know anything about right of way.  Larger vessels have additional lighting options that can be found in the Boating Regulations as well as the student manual.</p> <p><b>Demonstrate and Observe</b></p> <p>Using two student volunteers in front of class have one represent the stern and one the bow of a motorboat at night. One student is in the bow of the boat and has the combination lamp (make sure it is displayed correctly). The other student is the in the stern of the boat and has the white stern light</p> <p>Demonstrate how the boat would appear moving from left to right across the front of the room (dim some of the room lights if possible). Then show travel in the opposite direction.  Demonstrate and Ask students about right of way situations.</p> <p>Demonstrate how the lights would appear if the boat was going away from the group and if it was coming towards the group (remember that the stern light need to be high enough so it can be seen for 360 degrees).</p>	<p>Stern Light</p> <p>Combination lamp &amp; stern light</p>

TIME	LESSON OUTLINE	AID CUES
	<p><b>(Jet Ski) Personal Watercraft (PWC)</b></p> <p>No person may operate any PWC from sunset to sunrise, regardless of any lighting displayed on the vessel.</p> <p>Ask for any questions on navigation lights.</p> <p><b>Congratulate</b> students for doing a good job and being good listeners</p>	